

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strikethrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

1. (CURRENTLY AMENDED) A method of utilizing a memory of a printer printing using emulation information stored in a first or a second memory, the method comprising:

storing emulation information selected from among a plurality of emulation information stored into the first memory into a predetermined storage area of the second memory when the printer is initialized;

analyzing a type of emulation information of printing data transmitted to the printer;

determining whether a type of the emulation information stored into the predetermined storage area of the second memory matches the type of the emulation information analyzed; and

if the type of the emulation information stored into the predetermined storage area does not match the type of the emulation information analyzed, retrieving emulation information from the emulation information stored in the first memory having an emulation information type matching the type of the emulation information analyzed and replacing the emulation information stored in the second memory with the retrieved emulation information, replacing the stored emulation information comprising retrieving an emulation information type from the first memory matching the type of the emulation information analyzed and storing the retrieved emulation information into the predetermined storage area of the second memory in which the replaced emulation information was stored.

2. (ORIGINAL) The method of claim 1, wherein the predetermined storage area of the second memory has a storage capacity to store a biggest size emulation information from among the plurality of emulation information stored in the first memory.

3. (CURRENTLY AMENDED) A printer memory utilization apparatus printing using emulation information stored in a first or a second memory, the apparatus comprising:

an emulation information retrieving unit that retrieves emulation information from among a plurality of emulation information stored into the first memory and stores the retrieved

emulation information into a predetermined storage area of the second memory;

a printing data analyzing unit that analyzes a type of emulation information of received printing data to support printing the received printing data and outputs the type of the emulation information analyzed; and

an emulation information comparing unit that compares a type of the emulation information stored into the predetermined storage area of the second memory with the type of the emulation information analyzed and outputs a comparison result,

wherein the emulation information retrieving unit replaces the stored emulation information by retrieving an emulation information type from the first memory matching the type of the emulation information analyzed, in response to the comparison result, replacing the emulation information stored in the second memory with the retrieved information and stores the retrieved emulation information into the predetermined storage area of the second memory in which the replaced emulation information was stored.

4. (ORIGINAL) The apparatus of claim 3, wherein the predetermined storage area of the second memory has a storage capacity to store a biggest size emulation information from among the plurality of the emulation information stored in the first memory.

5. (CANCELLED)

6. (ORIGINAL) The apparatus of claim 3, wherein the emulation information retrieving unit retrieves the matching emulation information type from the first memory, if according to the comparison result the emulation information type of the received printing data does not match the emulation information type stored in the predetermined storage area of the second memory.

7. (CURRENTLY AMENDED) A printer, comprising:

a first memory storing a plurality of deactivated printer emulation information;

a second memory storing active emulation information; and

a programmed computer processor performing a process, comprising:

analyzing a type of emulation information of received print data,

determining whether an original type of the active emulation information matches the analyzed emulation information type of the received print data, and

storing in the second memory, from the deactivated emulation information stored

in the first memory, an emulation information type matching the analyzed emulation information type of the received print data according to the determining, as a new activated emulation information, and

retrieving emulation information from the first memory having an emulation information type matching the type of the analyzed emulation information replacing the original type of the active emulation information with the retrieved emulation information comprising deleting the original type of the active emulation information and storing the retrieved emulation information into the predetermined stored area of the second memory in which the replaced emulation information was stored.

8. (ORIGINAL) The printer of claim 7, wherein the first memory is a non-volatile memory and the second memory is a volatile memory.

9. (ORIGINAL) The printer of claim 7, wherein the plurality of deactivated emulation information stored in the first memory are in compressed or uncompressed form, and

the programmed computer processor retrieves compressed deactivated emulation information from the first memory, decompresses the retrieved deactivated emulation information, and stores the retrieved decompressed deactivated emulation information in the second memory as the new activated emulation information.

10. (CURRENTLY AMENDED) A printer, comprising:

a programmed computer processor activating and deactivating printer emulation modes in a predetermined random access memory area in response to emulation information type of received print data, the activating and deactivating comprising ~~replacing an original emulation mode, retrieving emulation information having an emulation information type matching the emulation information type of the received print data, replacing the printer emulation mode in the random access memory with the retrieved emulation information comprising deleting the printer emulation mode in the random access memory and storing the retrieved emulation information into random access memory.~~

11. (ORIGINAL) The apparatus of claim 3, wherein the plurality of emulation information stored in the first memory are in compressed or uncompressed form and the emulation information retrieving unit decompresses compressed emulation information retrieved from the first memory and stores the retrieved decompressed emulation information in the

predetermined storage area of the second memory.